

Fig. 1
Prior Art

BEST AVAILABLE COPY

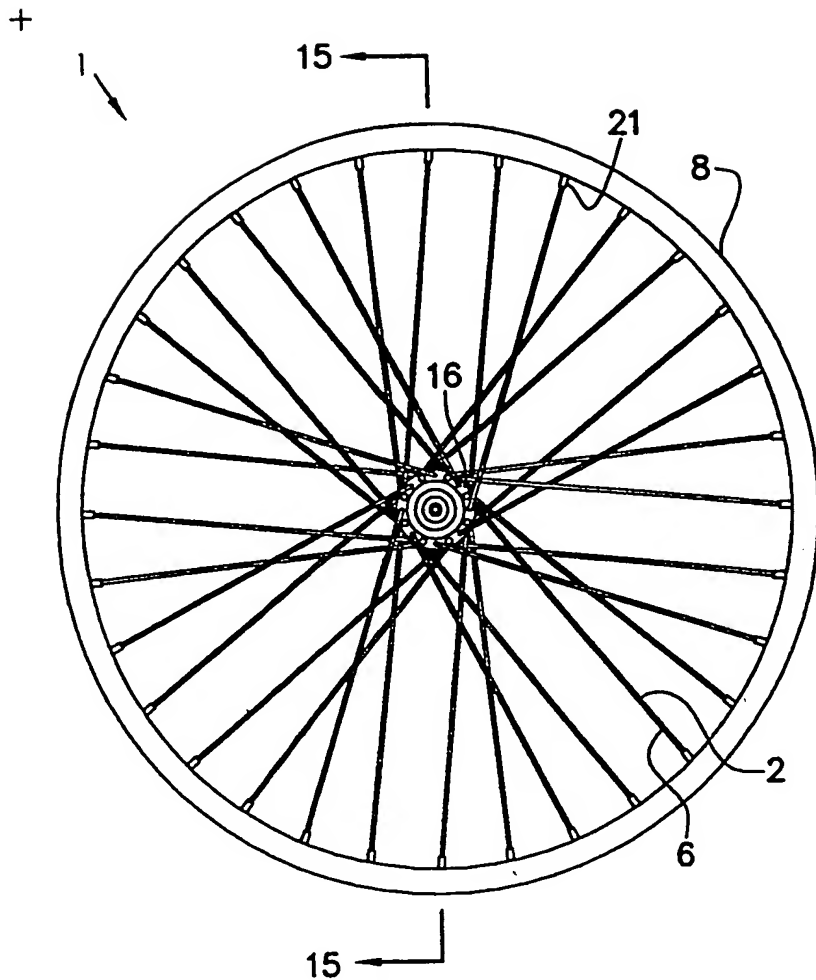


Fig. 2a
Prior Art

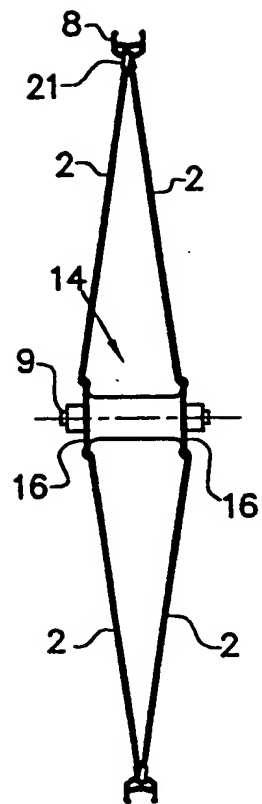


Fig. 2b
Prior Art

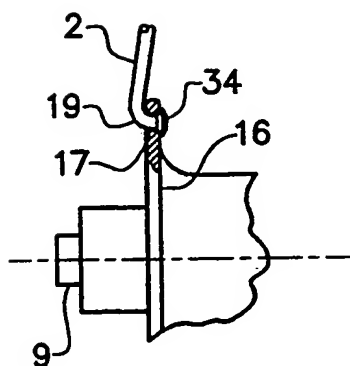


Fig. 2c
Prior Art

+

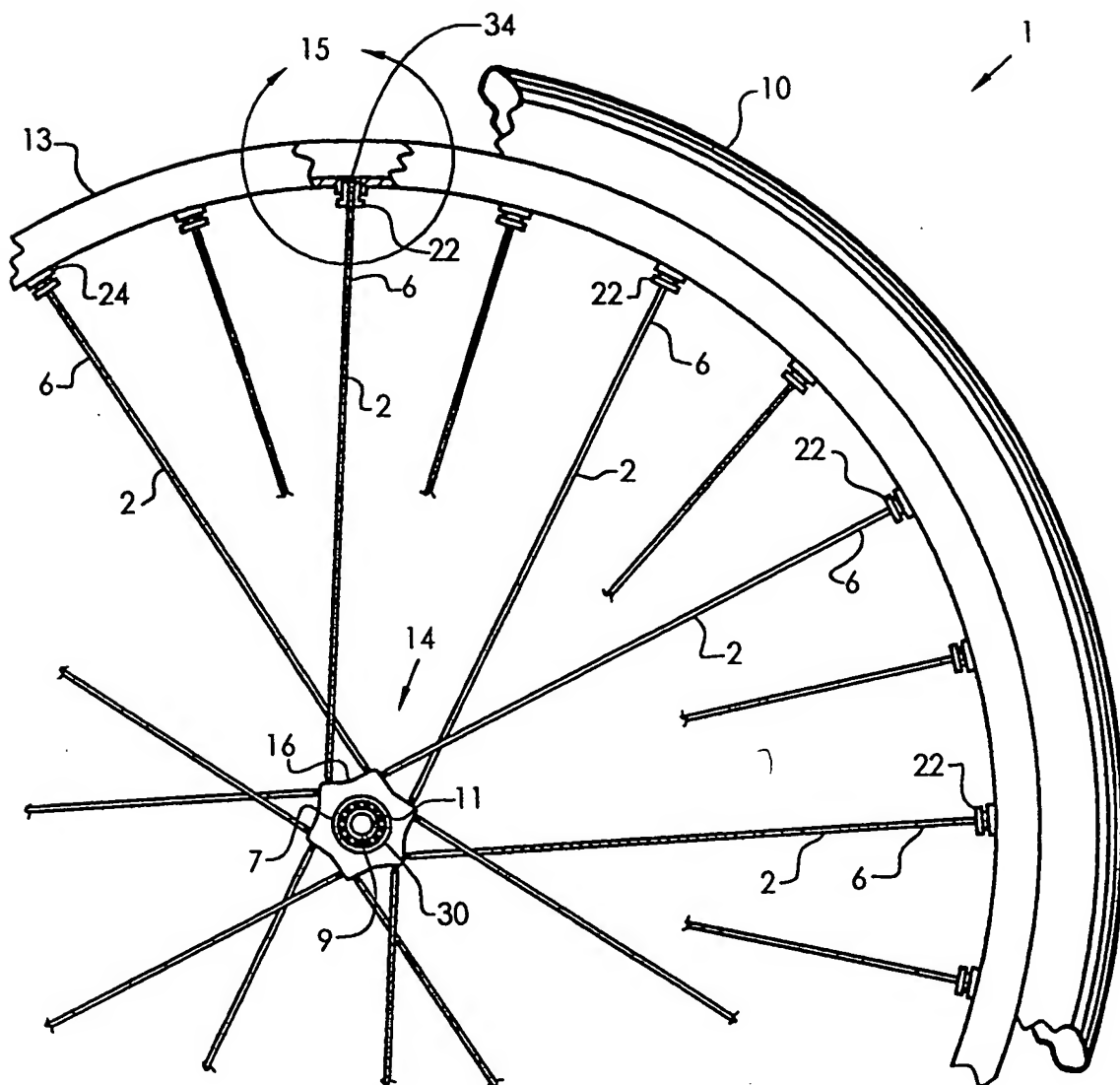


Fig. 3

+

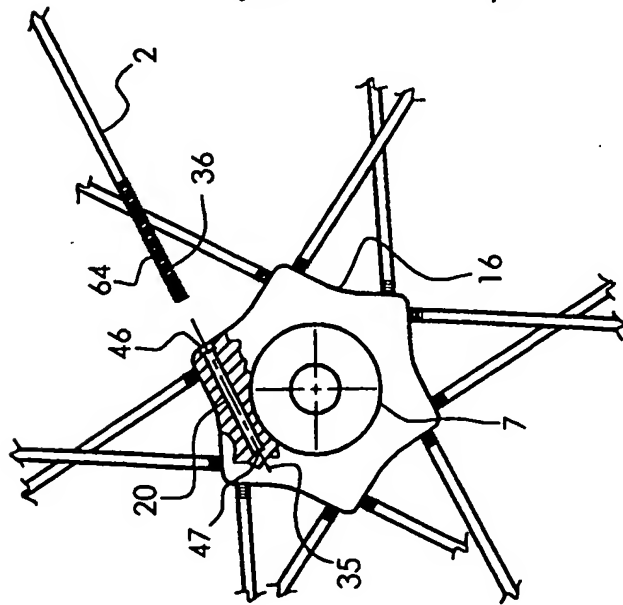


Fig. 4a

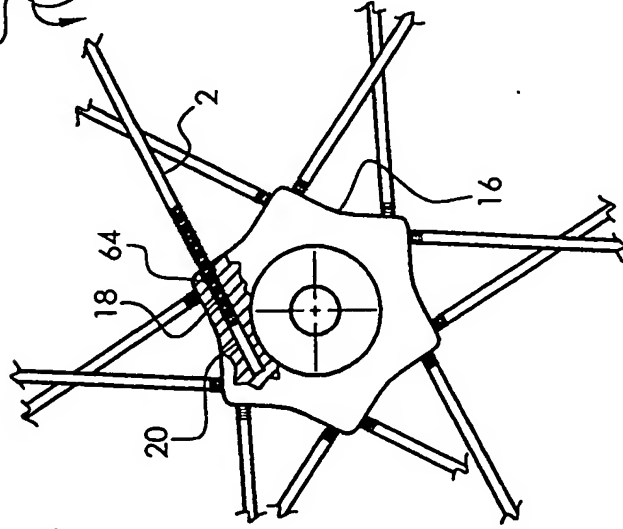


Fig. 4b

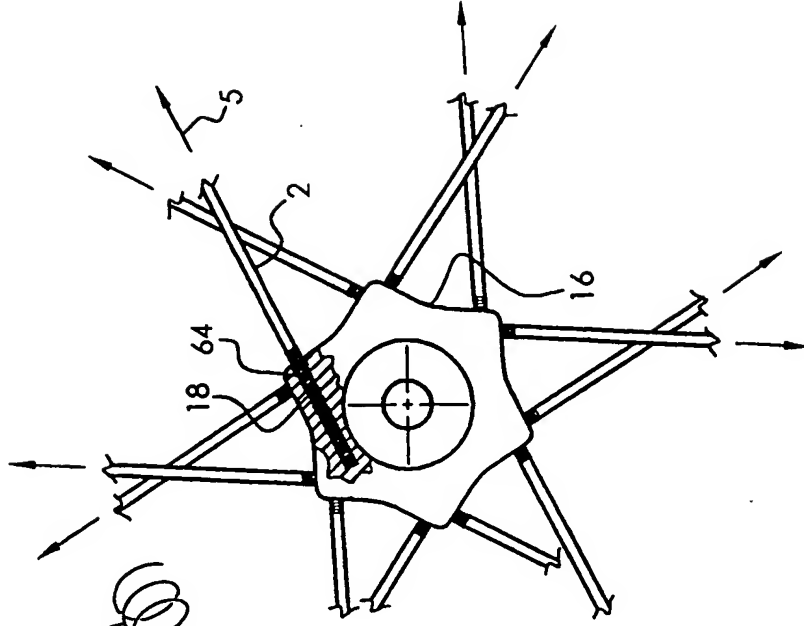


Fig. 4c

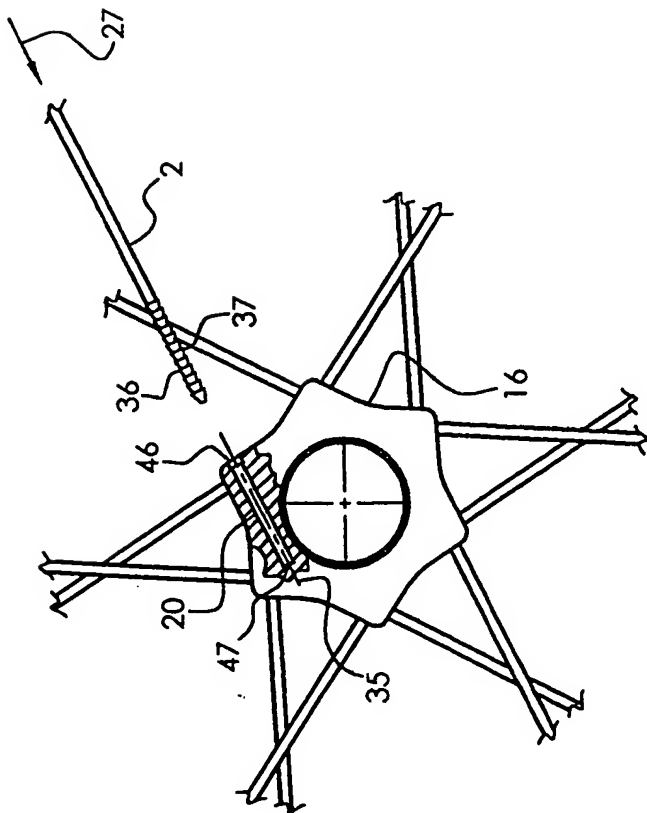


Fig. 5a

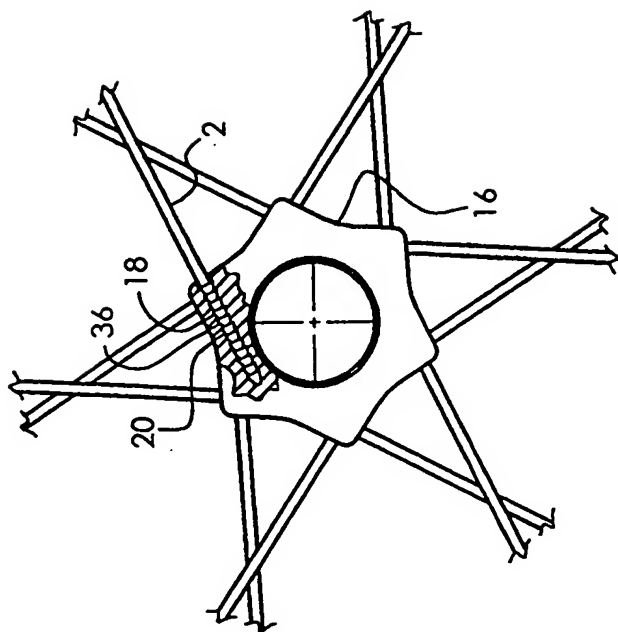


Fig. 5b

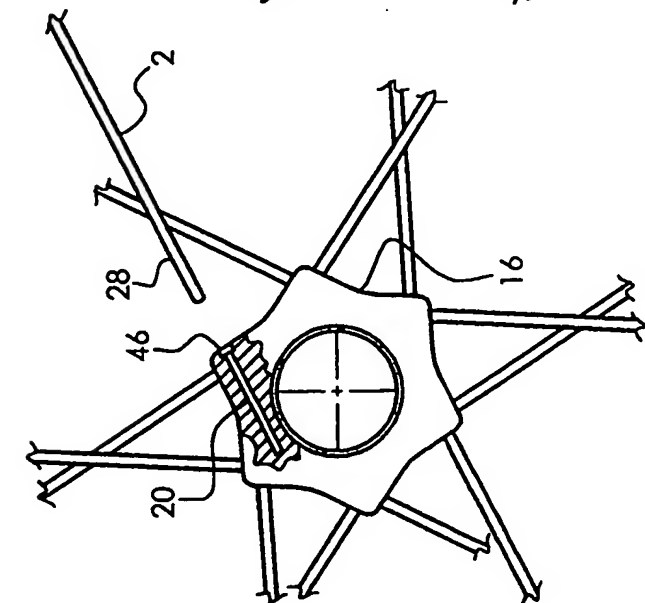


Fig. 6a

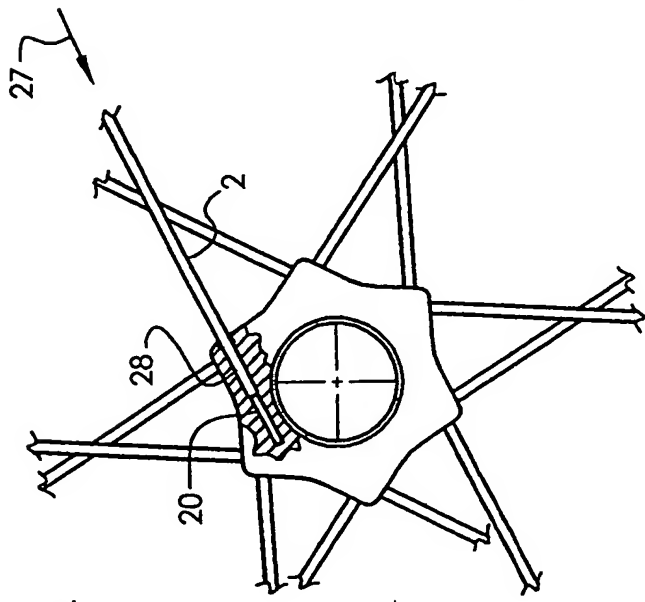


Fig. 6b

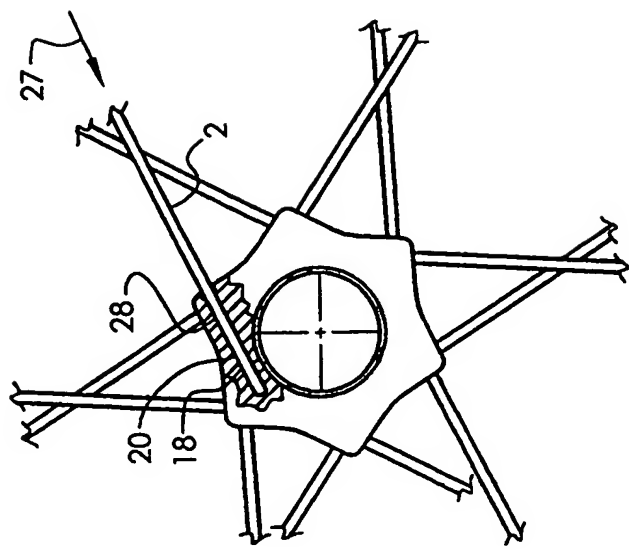


Fig. 6c

*

+

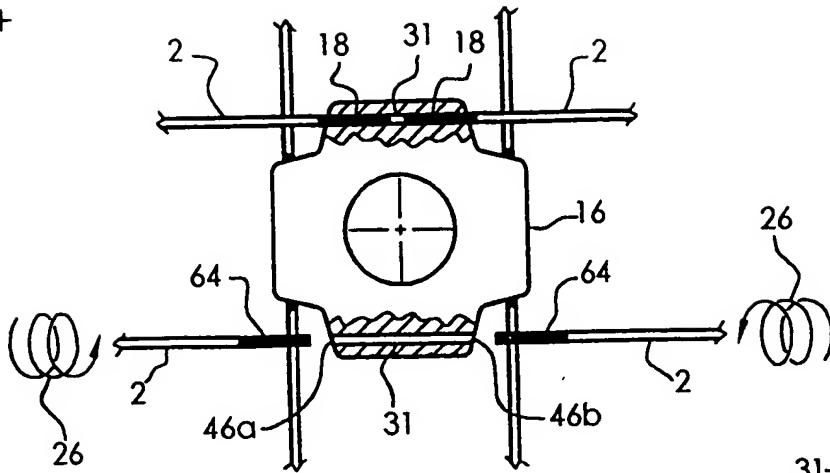


Fig. 7a

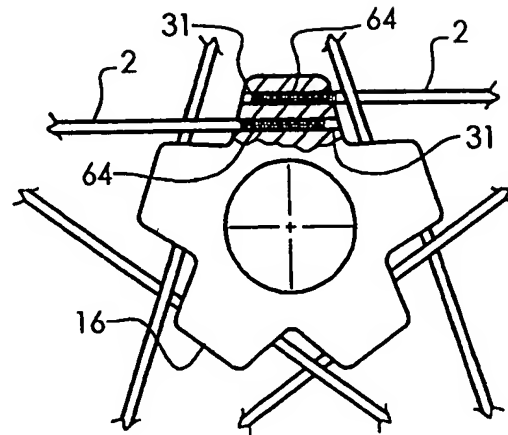


Fig. 7b

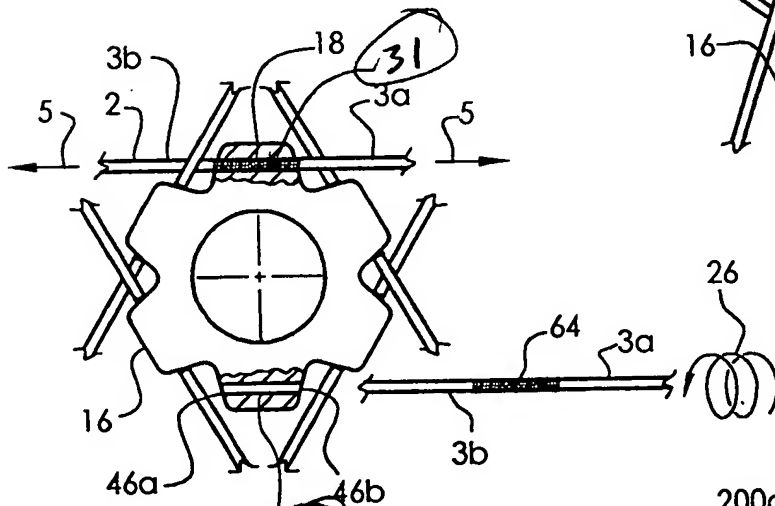


Fig. 7c

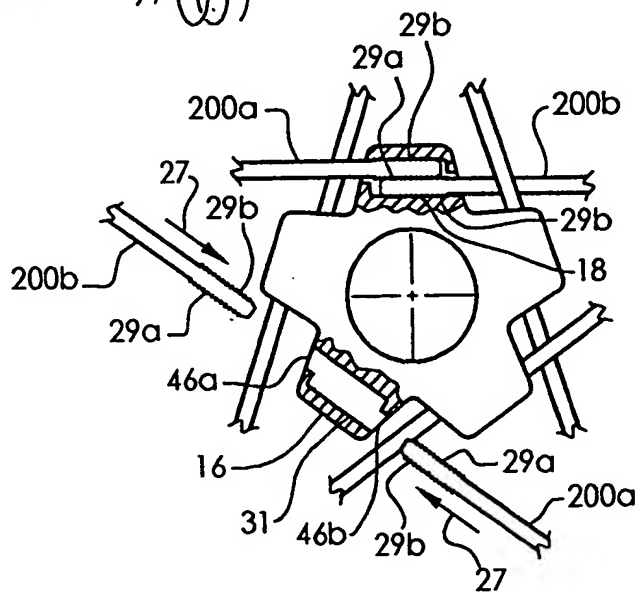


Fig. 7d

+

*

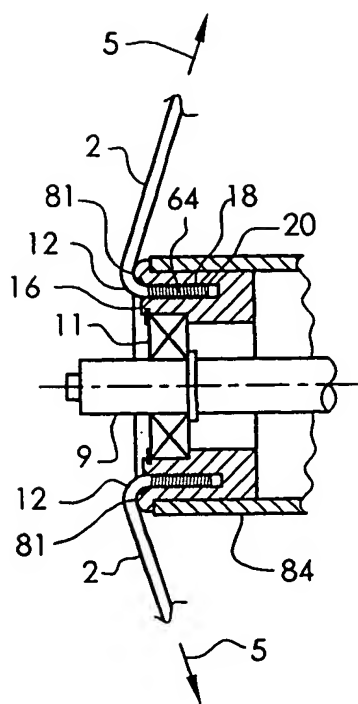


Fig. 8a

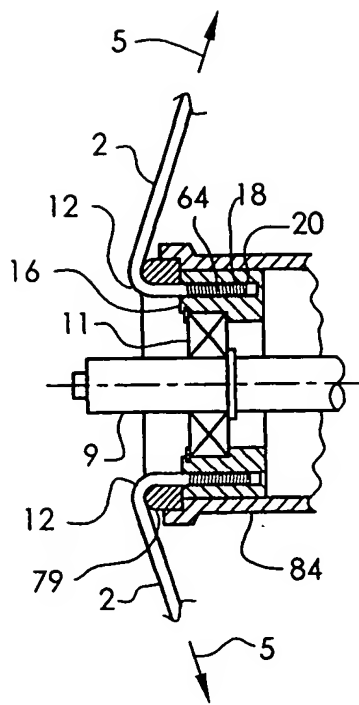


Fig. 8b

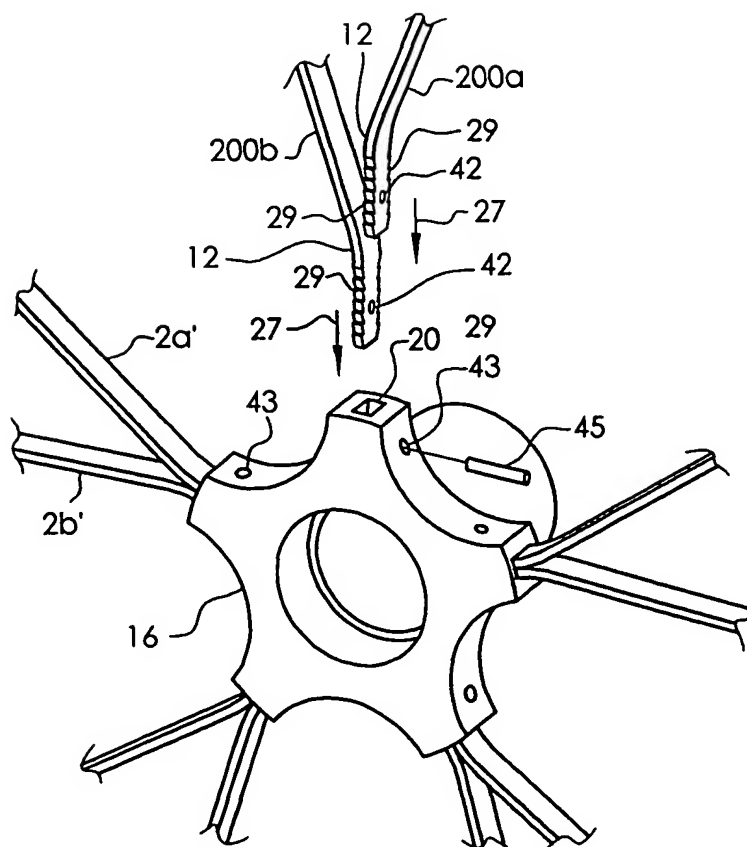


Fig. 8c

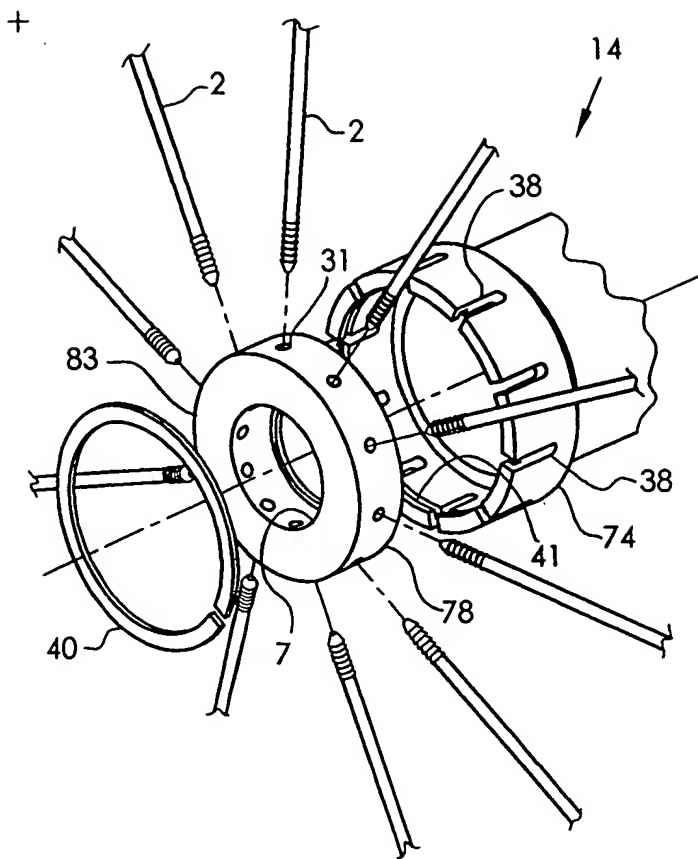


Fig. 9a

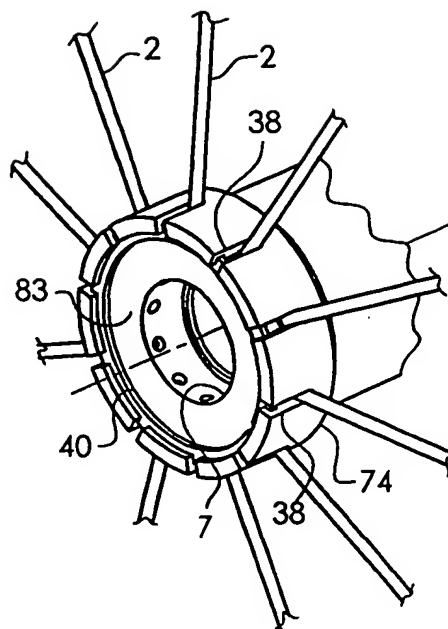


Fig. 9b

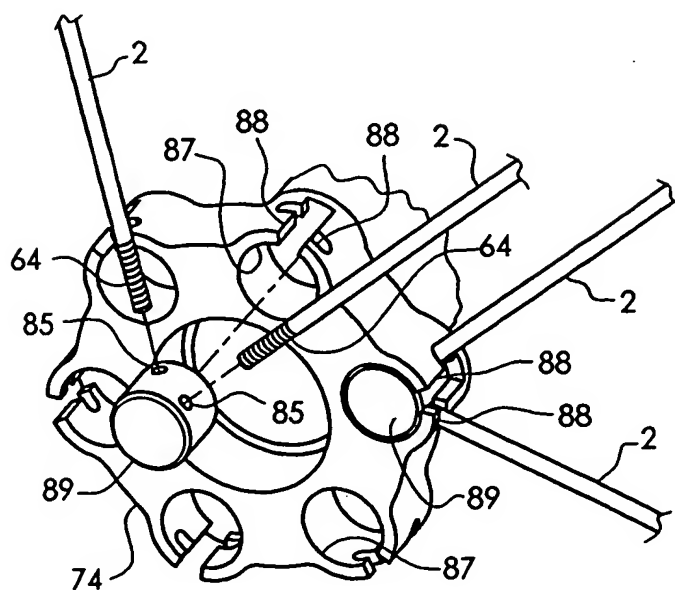


Fig. 9c

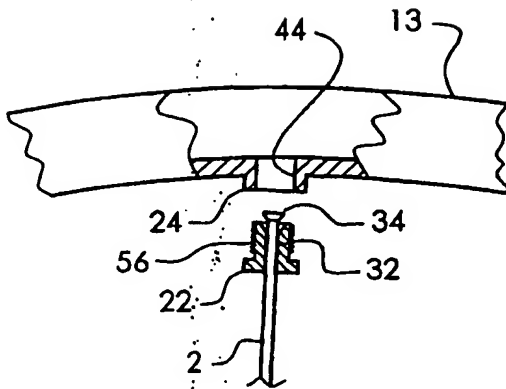


Fig. 10a

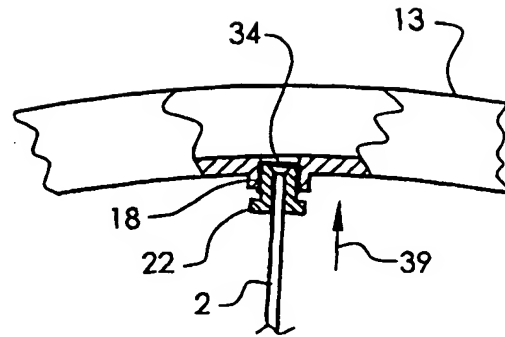


Fig. 10b

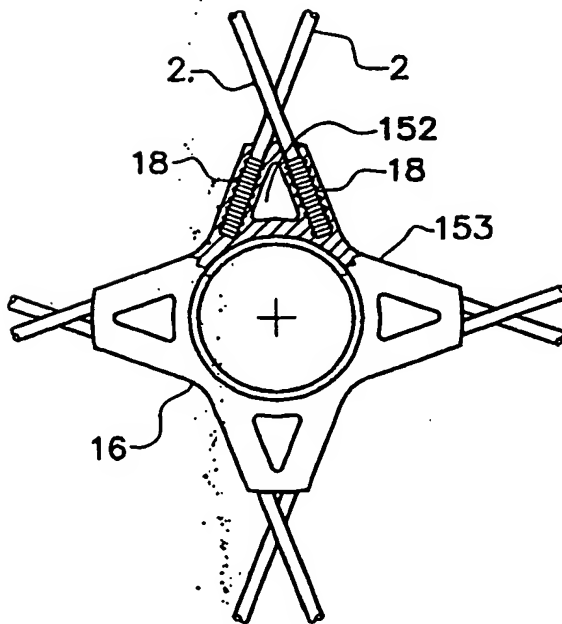


Fig. 11

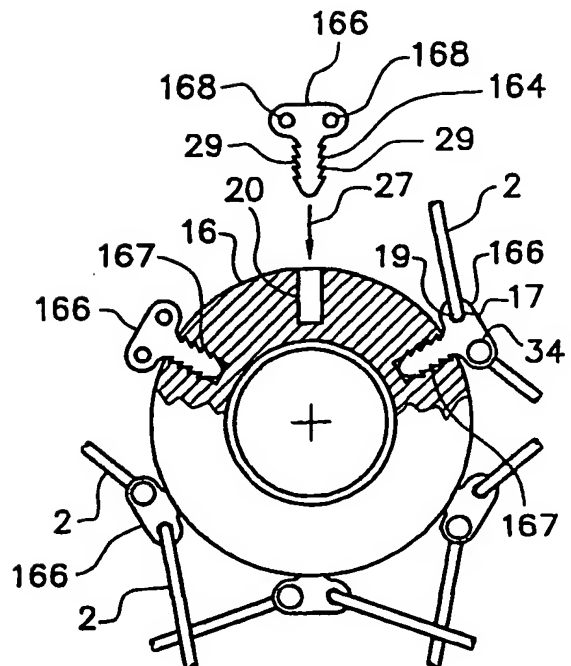


Fig. 12

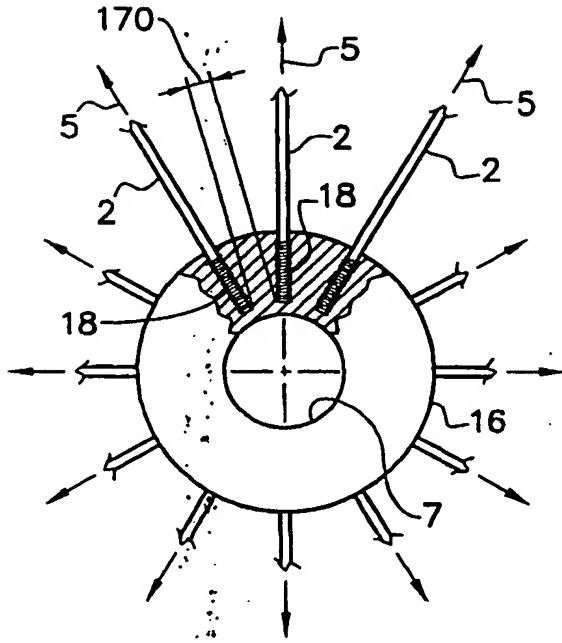


Fig. 13a

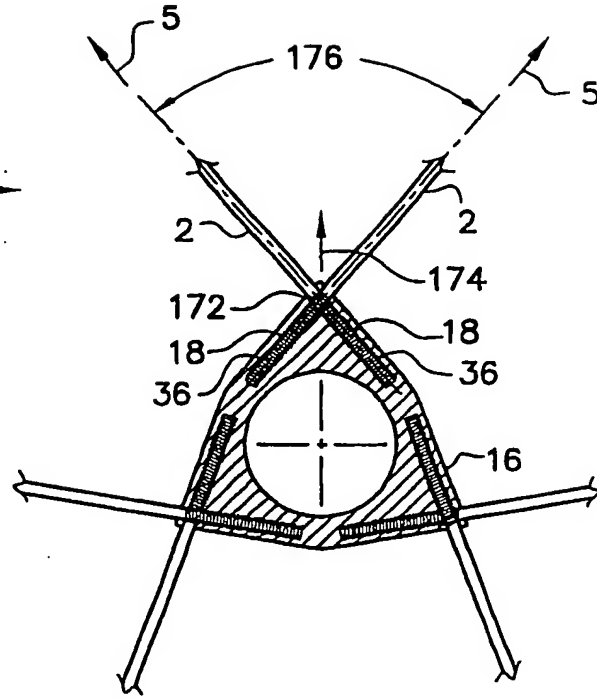


Fig. 13b

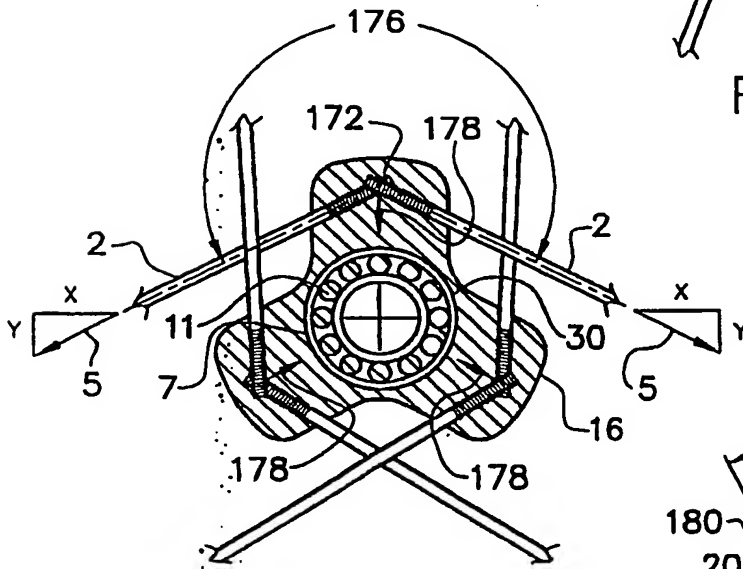


Fig. 13c

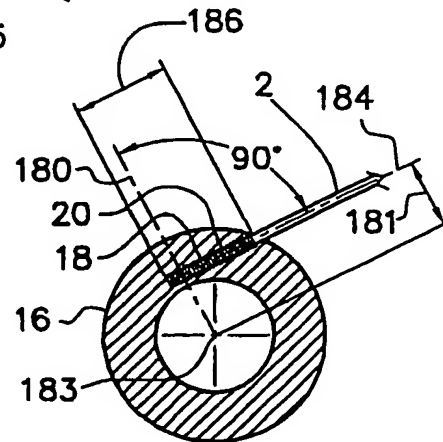
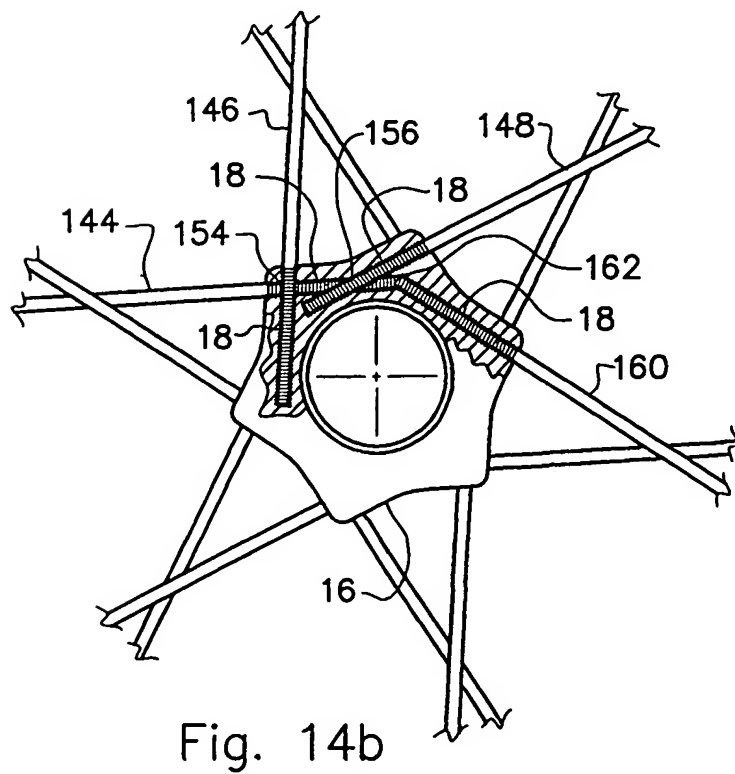
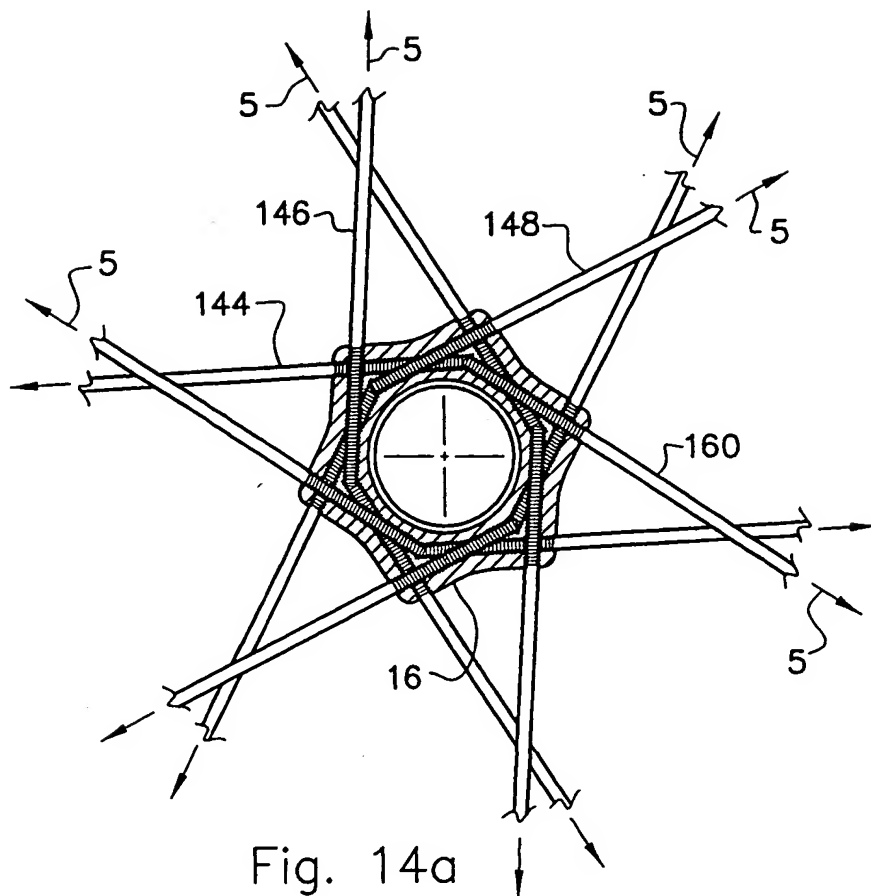
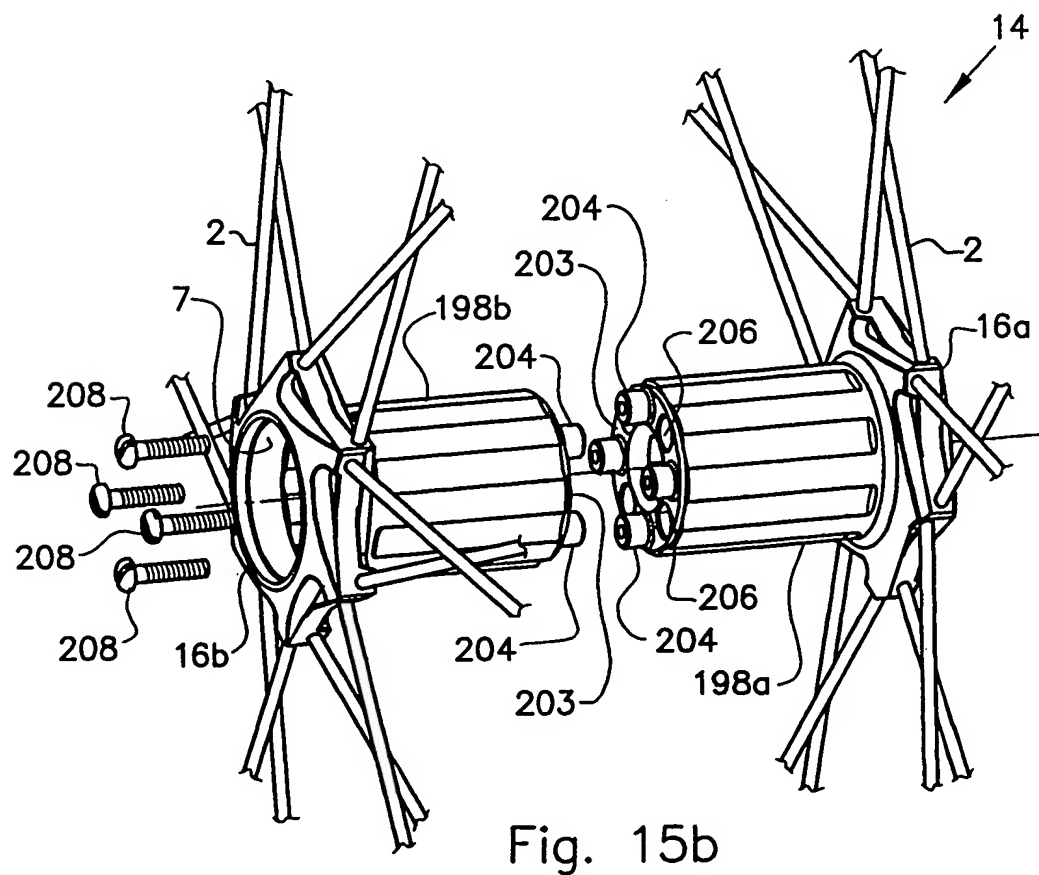
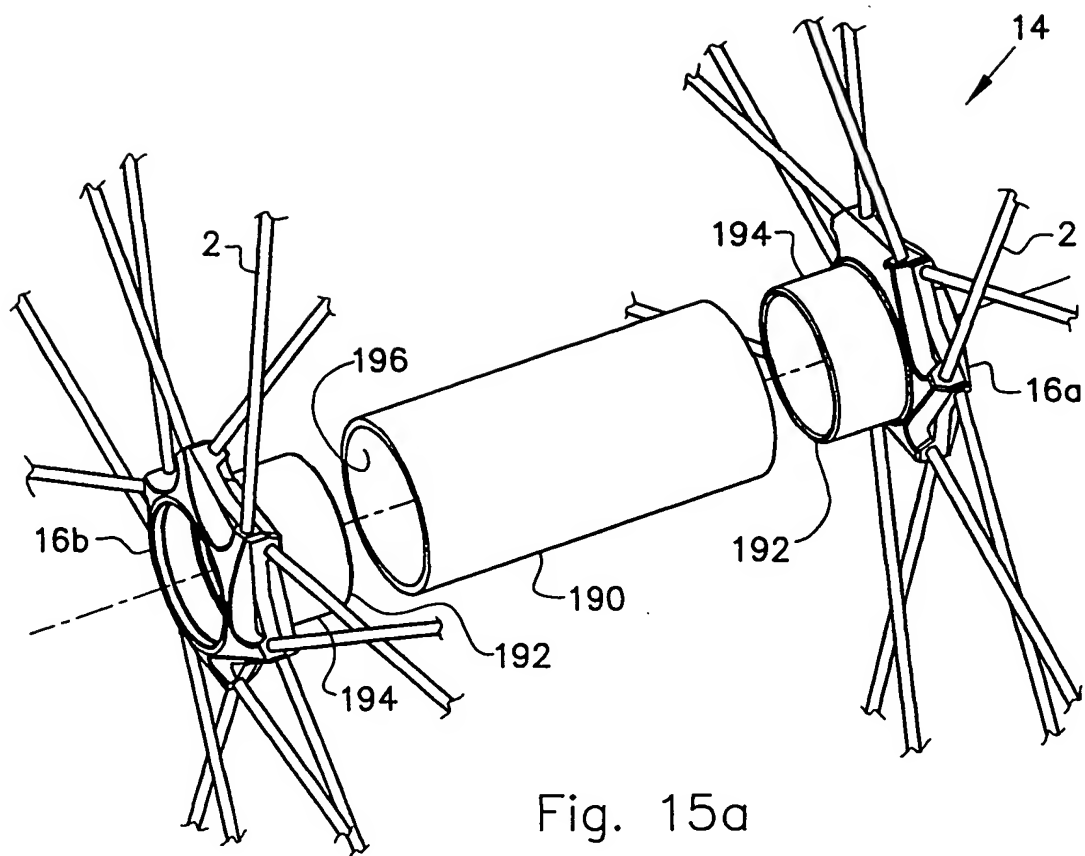


Fig. 13d





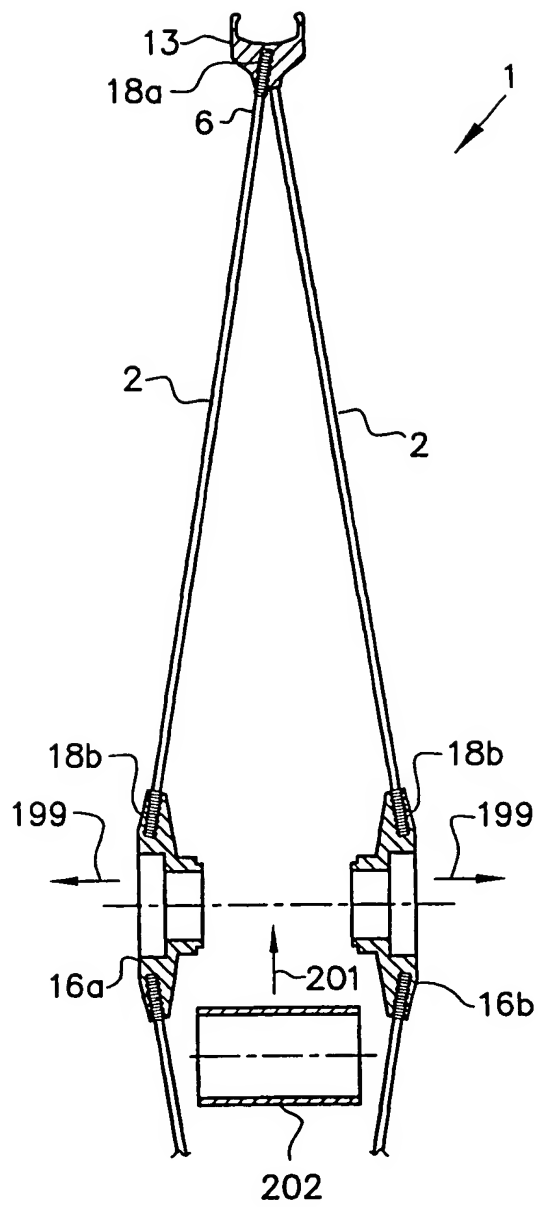


Fig. 16

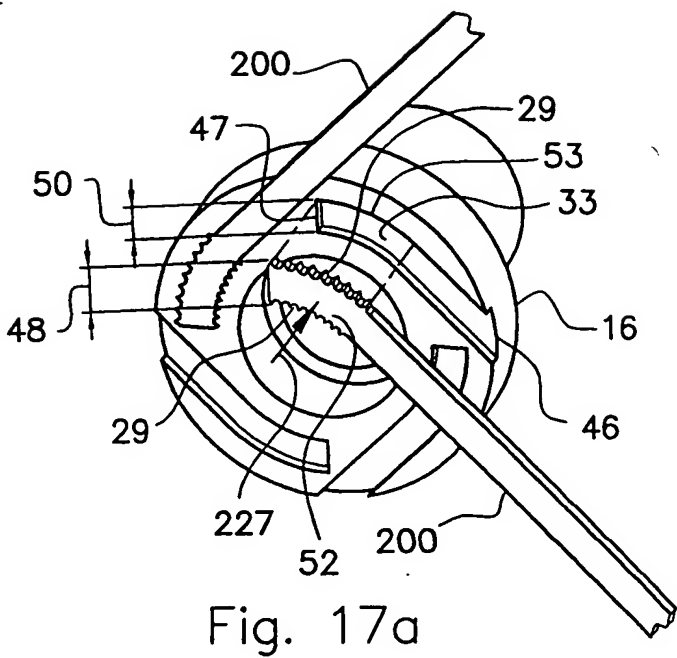


Fig. 17a

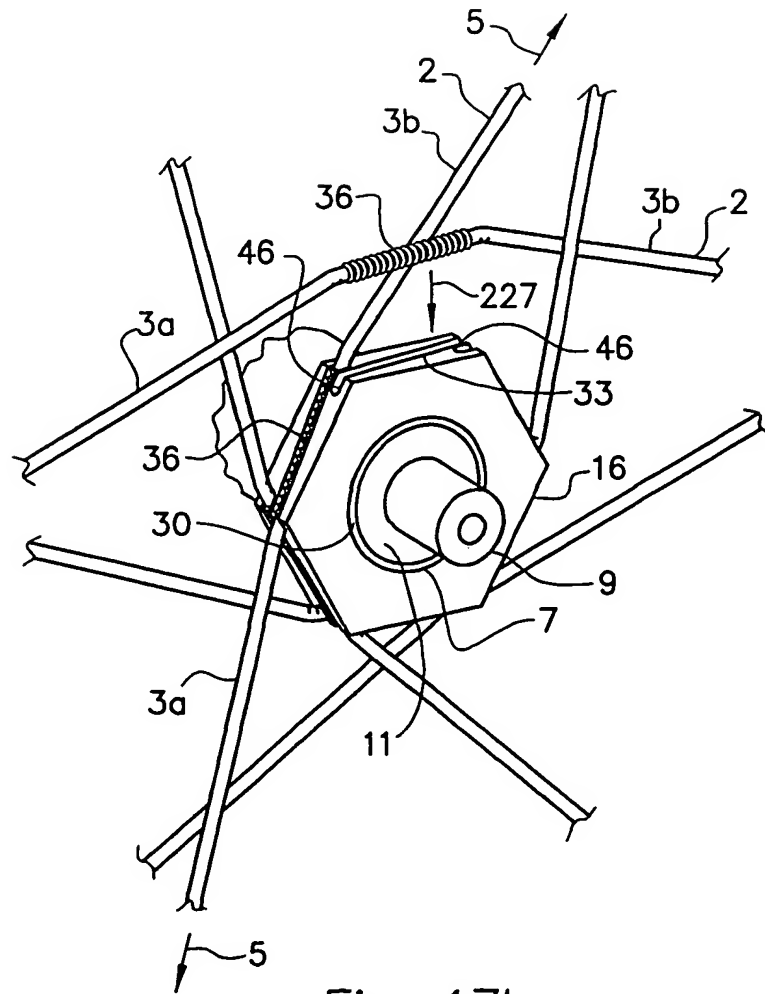


Fig. 17b

+

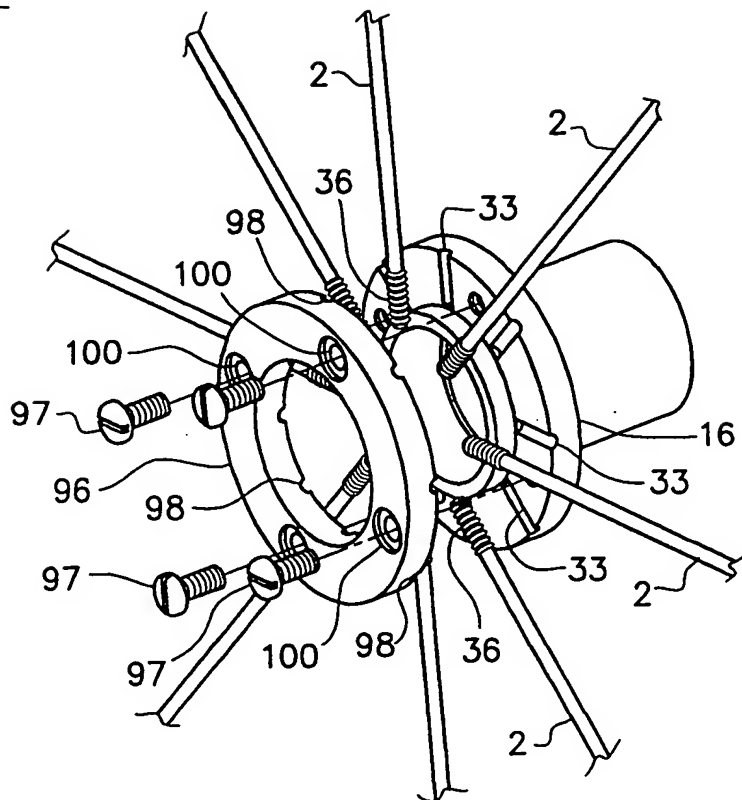


Fig. 17c

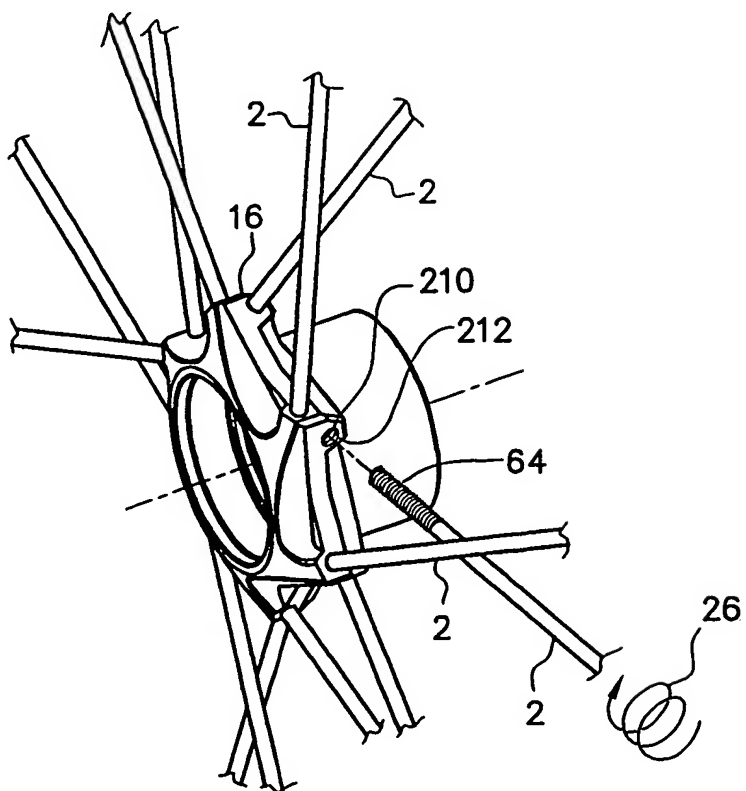


Fig. 18a

+

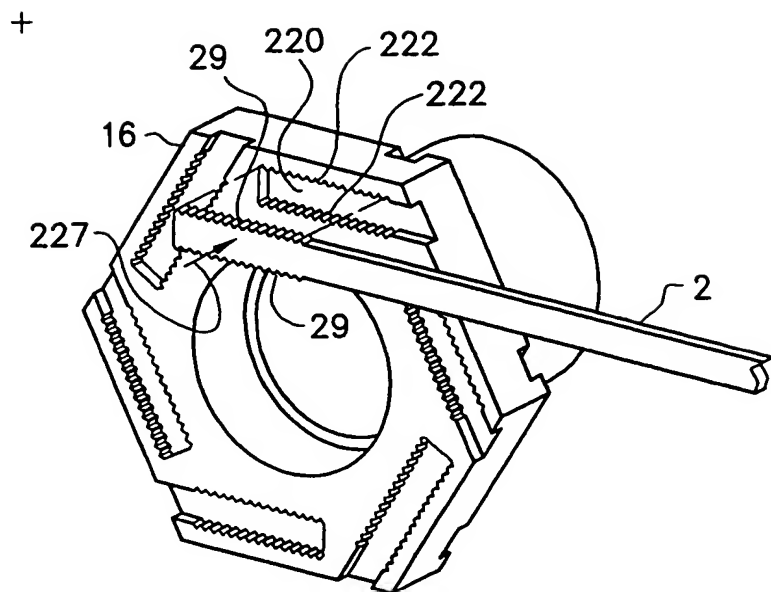


Fig. 18b

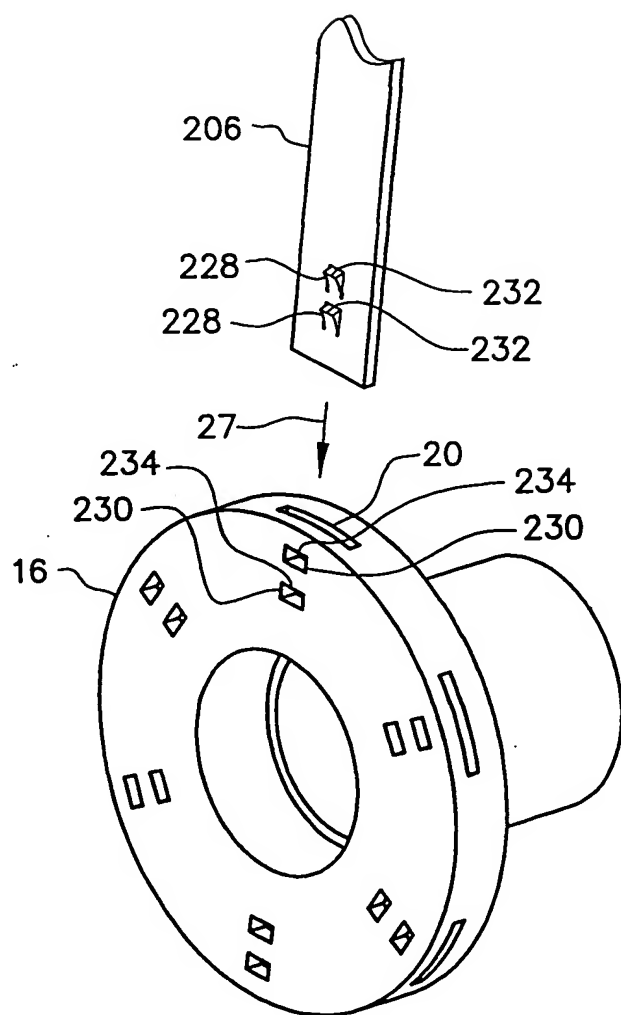


Fig. 19

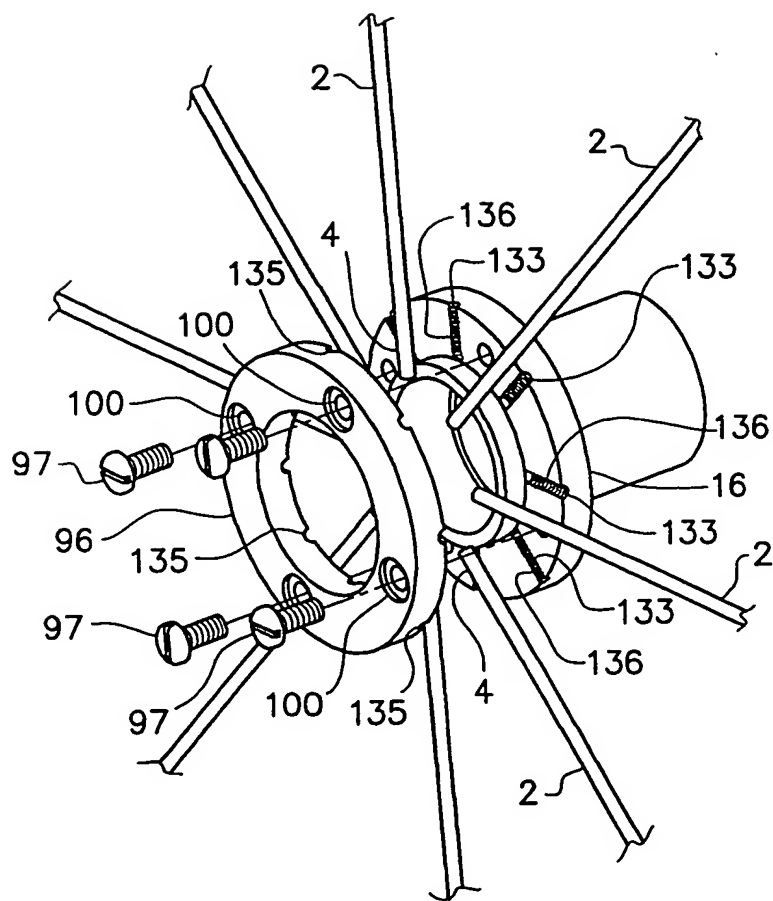


Fig. 20

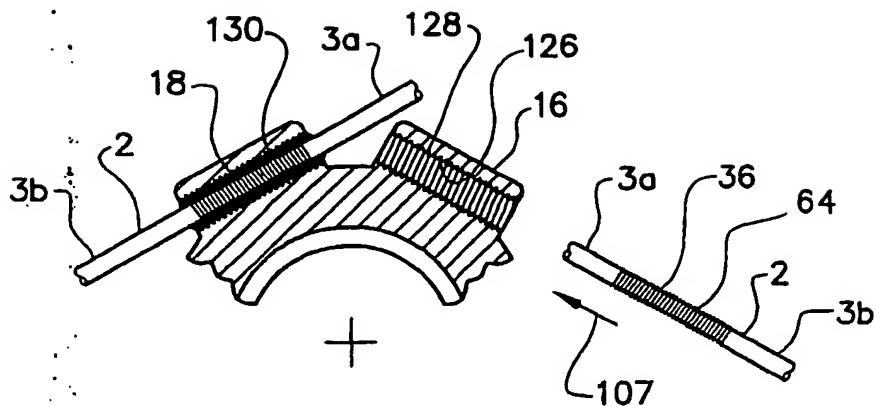


Fig. 21a

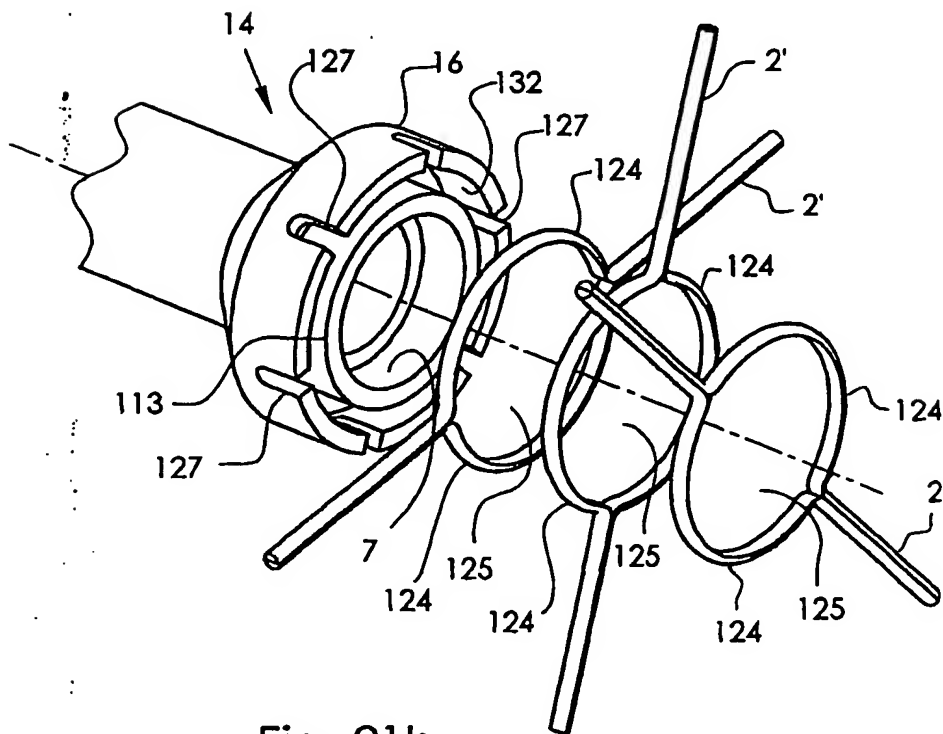
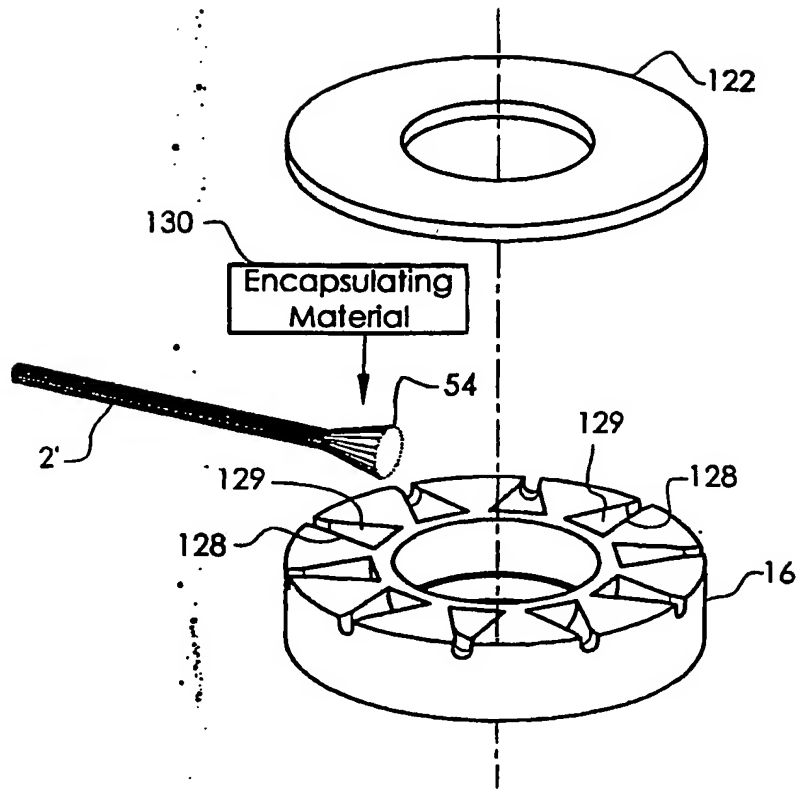


Fig. 21b



+

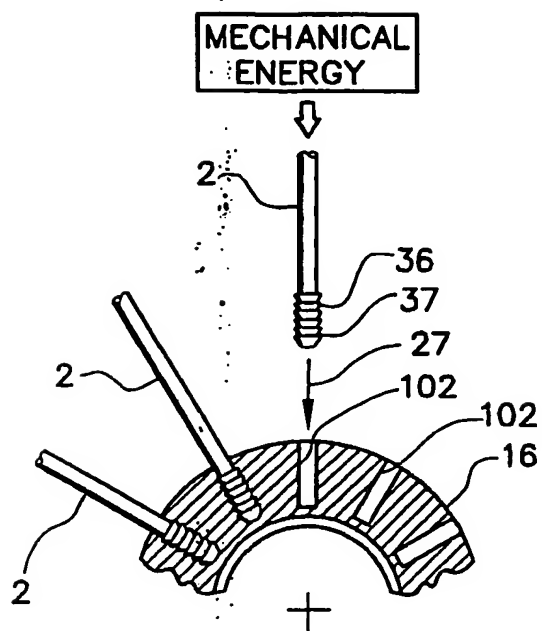


Fig. 22a

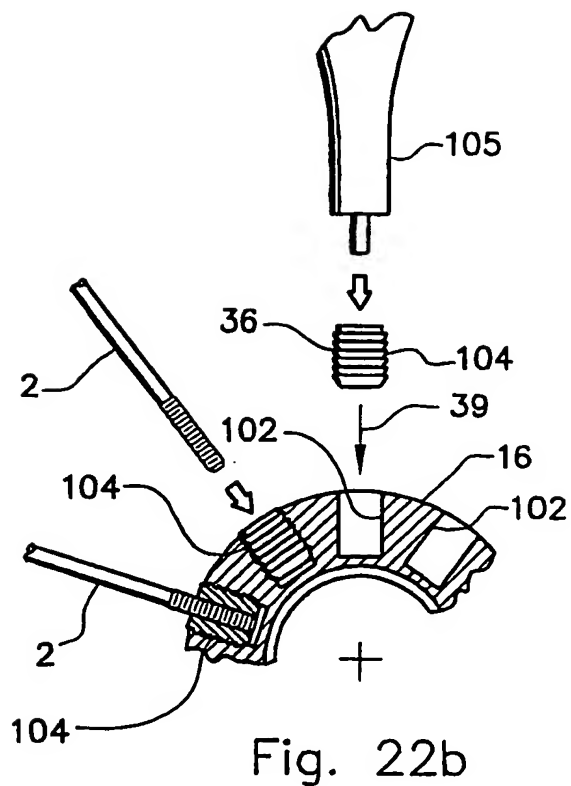


Fig. 22b

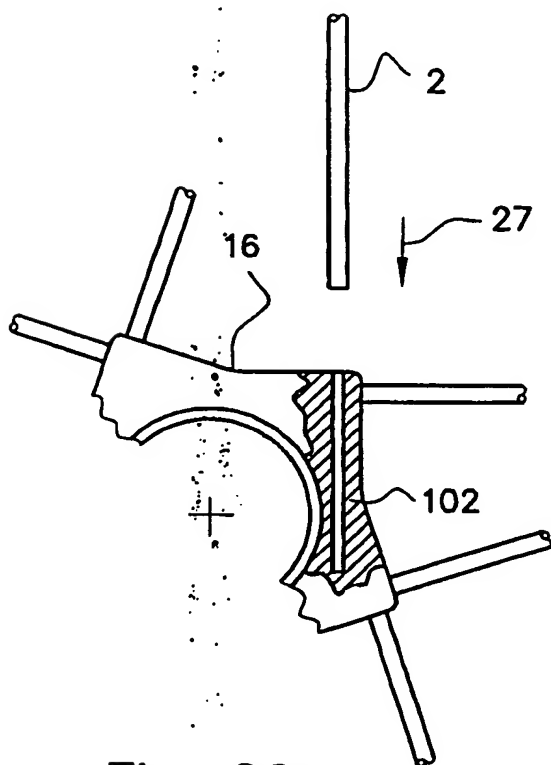


Fig. 22c

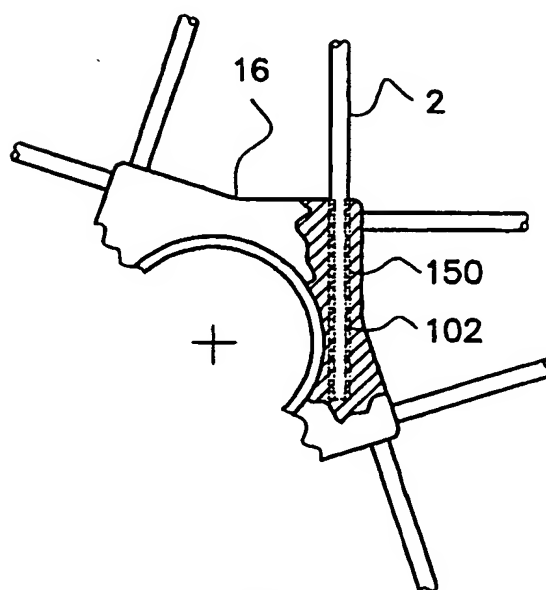


Fig. 22d

+

**This Page is Inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record**

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ BLACK BORDERS
- ☐ IMAGE CUT OFF AT TOP, BOTTOM OR SIDES
- ☐ FADED TEXT OR DRAWING
- ☐ BLURRED OR ILLEGIBLE TEXT OR DRAWING
- ☐ SKEWED/SLANTED IMAGES
- ☐ COLOR OR BLACK AND WHITE PHOTOGRAPHS
- ☐ GRAY SCALE DOCUMENTS
- ☒ LINES OR MARKS ON ORIGINAL DOCUMENT
- ☐ REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY
- ☐ OTHER: _____

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.